

# HONEY BEE OD. OWNER'S MANUAL

Thank you for choosing the Honey Bee!

**Short description:** This is an overdrive pedal intended for use between a low-level instrument such as an electric guitar and an amplifier set for clean to moderate distortion. It is intended for very dynamic feel and also as a colouration pedal in pedal systems, where it can make a large amplifier appear smaller by reducing headroom and frequency response and it will work in most positions in complex pedal systems.

Here are the controls and some typical settings and information on how to get the most out of the HB:

As a stand alone unit DRIVE knob may seem to have little effect. Set DRIVE at noon and strike hard to get a feel for the dynamics. NATURE knob sets the frequency range of distortion, turn CCW for more emphasis in the bass and low-mids and turn CW to soften output slightly.

A good starting point for this control is near center (twelve o'clock).

Notice that most flat setting of this control is center and that bass response can be enhanced through CCW rotation. This control is aimed to set pedal response to the instrument. Set NATURE to center and tweak to balance – a bit CCW is usually a good balance.

VOL. sets the balance between processed signal and non-processed. A good starting point for this control is center (twelve o'clock) or a bit higher.

**Some notes on typical use:** On a clean sounding amp HB can be used to get distortion on forceful notes as controlled by picking force. This can be used on guitars with flatwound strings for a mellow jazz sound or roundwound strings for an old style light distortion. In pedal systems with multiple drive pedals HB can be connected last to soften response and even give a low mid hump to bright amplifiers and provide a ceiling-effect for the upper treble.

In use with a compressor, HB can be placed before the comp. to provide dynamic distortion while keeping output level constant or HB can be placed after comp. and comp will set input level constant to HB and so a sustaining sound with just light break up can be set.

Because of HB's dynamic performance it may appear to have little sustaining effect. Combination with other effects may prove useful in increasing sustain when needed.

**Input performance:** The unit has high input impedance presenting only a light load to the pickups.

**Output performance:** The output is designed to work into moderate to high impedance such as that of a guitar amplifier and most effect boxes and tape echoes. Maximum load about 50K

**Power requirements:** The unit is designed to work from a 6F22 9V battery contained in the box (you gain access by removing the four bottom screws)

**CAUTION!** Never operate the unit with its bottom removed or damage will most likely occur.

The current-draw is in the approximately 3,9 mA with the pilot LED lit, and 2,8 mA without. HB will however work down to 6 Volts. If sound gets muddy or LED light dim it's time to change battery.

**About the 5 year limited warranty:** Should you for any reason want to claim this then pack the unit well and enclose a description of the fault and a copy of the original receipt, an

address were you want it to be sent. Any tampering with the circuit or obvious signs of misuse will void the warranty. Send to manufacturer address (see below).

The unit will be repaired or replaced as appropriate at prepaid shipping cost. Any polite questions will be answered promptly by the manufacturer or the distributor.

<b>This product is distributed by:</b> Custom-Sounds Neulaspolku 3 35100 Orivesi Finland www.custom-sounds.com info@custom-sounds.com	<b>Manufactured by:</b> BJF Electronics Sweden
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### Honey Bee OD ELECTRICAL SPECIFICATION

<b>Z in at 1kHz</b>	<b>app. 370K</b>
<b>Pout 1kHz in 50k</b>	<b>app. 28uW RMS</b>
<b>Max load</b>	<b>app. 50K</b>
<b>Max output</b>	<b>0V8 peak</b>
<b>Max current consumption</b>	<b>3mA95 at 10V</b>
<b>Max gain at 1KHz</b>	<b>app. 40dB</b>
<b>Max inputsignal</b>	<b>3V peak</b>
<b>Supply Voltagerange</b>	<b>6-12V</b>
<b>Power requirements</b>	<b>6F22 9V battery or DC eliminator 2,1 mm plug center negative and positive sleeve</b>

**Notes: HB will distort easier at lower voltage. DO NOT exceed voltage rating or permanent damage will occur. HB is protected against false polarity and will not take harm by false polarity only not work under such conditions. Normal operation is resumed with correct polarity**

**The manufacturer claims that the above mentioned product fulfils the requirements as set by  
EN 55 013, EN 55 020, EN 60 555-2 and EN 60 555-3.**